



Solar Modules

General Specifications

- Protection from over-current and over-temperature
- Protection from incorrect polarity and short circuit
- Extremely low electromagnetic emission
- 2 Year Manufacturers Warranty on Defects
- 20 Years Output Power Warranty (to 80% yield on original Specs)
- IEC Approval Pending (IEC61215 expected in Q4, 2009)

Hardware features

- Rugged and weather-proof design
- Low-iron Tempered Glass (impact resistant & increased light transmittance)
- Protective Bypass Diodes
- Powder-coated (black) aluminium frame
- IP55 Junction Box
- Pre-Drilled mounting holes
- Texturized multi-crystalline solar cells



ExSolar – a division of The Exporter cc

PO Box 3643

Somerset West

7129

South Africa

Tel: +27 (0)21 851 1700

Fax: +27 (0)21 851 1699

Email: exportdc@iafrica.com

Web: www.radioexport.com/solar

Skype: "radioexport"

ExSolar 100 Series

Module Type	Ex-Sol08W	Ex-Sol10W	Ex-Sol12W
Number of cells		36	
Cell format		4 columns x 9 cells	
Aluminium profile		25mm black epoxy coated	
Size of module		397 x 287 x 25mm	
Maximum power	8W	10W	12W
Power tolerance		+/- 5%	
Open circuit voltage	21.00V	21.2V	21.4V
Voltage at max power	17.0V	17.2V	17.4V
Short circuit current	0.50A	0.61A	0.72A
Current at max power	0.47A	0.58A	0.69A
Weight of module		1.6Kg	
Packaging		4 modules per carton	
Module construction		Glass/tehdar	
Warranty		20 years to 80% yield	

ExSolar 200 Series

Module Type	Ex-Sol15W	Ex-Sol20W	Ex-Sol25W
Number of cells		36	
Cell format		4 columns x 9 cells	
Aluminium profile		25mm black epoxy coated	
Size of module		549 x 354 x 25mm	
Maximum power	15W	20W	25W
Power tolerance		+/- 5%	
Open circuit voltage	20.3V	20.5V	20.6V
Voltage at max power	16.7V	16.8V	16.9V
Short circuit current	1.2A	1.5A	1.7A
Current at max power	0.9A	1.2A	1.5A
Weight of module		3.6Kg	
Packaging		4 modules per carton	
Module construction		Glass/tehdar	
Warranty		20 years to 80% yield	

ExSolar 300 Series

Module Type	Ex-Sol25W	Ex-Sol30W	Ex-Sol35W
Number of cells		36	
Cell format		4 columns x 9 cells	
Aluminium profile		25mm black epoxy coated	
Size of module		586 x 410 x 25mm	
Maximum power	25W	30W	35W
Power tolerance		+/- 5%	
Open circuit voltage	21.4V	21.6V	21.8V
Voltage at max power	17.3V	17.5V	17.7V
Short circuit current	1.68A	1.97A	2.27A
Current at max power	1.45A	1.74A	1.98A
Weight of module		4.1Kg	
Packaging		4 modules per carton	
Module construction		Glass/teflar	
Warranty		20 years to 80% yield	

ExSolar 500 Series

Module Type	Ex-Sol40W	Ex-Sol45W	Ex-Sol50W
Number of cells		36	
Cell format		4 columns x 9 cells	
Aluminium profile		25mm black epoxy coated	
Size of module		845 x 537 x 25mm	
Maximum power	40W	45W	50W
Power tolerance		+/- 5%	
Open circuit voltage	21.2V	21.4V	21.6V
Voltage at max power	17.2V	17.4V	17.6V
Short circuit current	2.62A	2.82A	3.2A
Current at max power	2.35A	2.59A	2.85A
Weight of module		5.5Kg	
Packaging		4 modules per carton	
Module construction		Glass/teflar	
Warranty		20 years to 80% yield	

ExSolar 500 Series

Module Type	Ex-Sol55W	Ex-Sol60W
Number of cells	36	
Cell format	4 columns x 9 cells	
Aluminium profile	25mm black epoxy coated	
Size of module	845 x 537 x 25mm	
Maximum power	55W	60W
Power tolerance	+/- 5%	
Open circuit voltage	21.8V	22.0V
Voltage at max power	17.8V	18.0V
Short circuit current	3.52A	3.72A
Current at max power	3.1A	3.35A
Weight of module	5.5Kg	
Packaging	4 modules per carton	
Module construction	Glass/tehdar	
Warranty	20 years to 80% yield	

ExSolar 700 Series

Module Type	Ex-Sol65W	Ex-Sol70W
Number of cells	36	
Cell format	4 columns by 9 cells	
Aluminium profile	25mm black epoxy coated	
Size of module	1195 x 541 x 25mm	
Maximum power	65W	70W
Power tolerance	+/- 5%	
Open circuit voltage	21.2V	21.5V
Voltage at max power	17.2V	17.3V
Short circuit current	4.08A	4.11A
Current at max power	3.78A	4.1A
Weight of module	7.7Kg	
Packaging	4 modules per carton	
Module construction	Glass/tehdar	
Warranty	20 years to 80% yield	

ExSolar 700 Series

Module Type	Ex-Sol75W	Ex-Sol80W	Ex-Sol85W
Number of cells		36	
Cell format		4 columns x 9 cells	
Aluminium profile		25mm black epoxy coated	
Size of module		1195 x 541 x 25mm	
Maximum power	75W	80W	85W
Power tolerance		+/- 5%	
Open circuit voltage	21.6V	21.7V	21.8V
Voltage at max power	17.4V	17.6V	17.7V
Short circuit current	4.72A	4.97A	5.23A
Current at max power	4.31A	4.55A	4.81A
Weight of module		7.7Kg	
Packaging		4 modules per carton	
Module construction		Glass/tehdar	
Warranty		20 years to 80% yield	

ExSolar 1300 Series

Module Type	Ex-Sol105W	Ex-Sol110W	Ex-Sol115W
Number of cells		36	
Cell format		4 columns x 9 cells	
Aluminium profile		38mm black epoxy coated	
Size of module		1486 x 675 x 38mm	
Maximum power	105W	110W	115W
Power tolerance		+/- 5%	
Open circuit voltage	21.55V	21.7V	21.85V
Voltage at max power	16.6V	16.8V	17.0V
Short circuit current	6.83A	7.06A	7.1A
Current at max power	6.32A	6.55A	6.77A
Weight of module		11Kg	
Packaging		4 modules per carton	
Module construction		Glass/tehdar	
Warranty		20 years to 80% yield	

ExSolar 1300 Series

Module Type	Ex-Sol120W	Ex-Sol125W	Ex-Sol135W
Number of cells		36	
Cell format		4 columns x 9 cells	
Aluminium profile		38mm black epoxy coated	
Size of module		1486 x 675 x 38mm	
Maximum power	120W	125W	135W
Power tolerance		+/- 5%	
Open circuit voltage	22.0V	22.15V	22.3V
Voltage at max power	17.2V	17.4V	17.5V
Short circuit current	7.52A	7.55A	8.1A
Current at max power	6.98A	7.19A	7.72A
Weight of module		11Kg	
Packaging		4 modules per carton	
Module construction		Glass/tehdar	
Warranty		20 years to 80% yield	

ExSolar 1300 Series

Module Type	Ex-Sol140W	Ex-Sol145W
Number of cells		36
Cell format		4 columns x 9 cells
Aluminium profile		38mm black epoxy coated
Size of module		1486 x 675 x 38mm
Maximum power	140W	145W
Power tolerance		+/- 5%
Open circuit voltage	22.5V	22.7V
Voltage at max power	17.6V	17.7V
Short circuit current	8.31A	8.56A
Current at max power	7.95A	8.2A
Weight of module		11Kg
Packaging		4 modules per carton
Module construction		Glass/tehdar
Warranty		20 years to 80% yield

ExSolar 1800 Series

Module Type	Ex-Sol150W	Ex-Sol155W	Ex-Sol160W
Number of cells		72	
Cell format		12 columns x 6 cells	
Aluminium profile		38mm black epoxy coated	
Size of module		1584 x 807 x 38mm	
Maximum power	150W	155W	160W
Power tolerance		+/- 5%	
Open circuit voltage	43.4V	43.6V	43.9V
Voltage at max power	35.1V	35.3V	35.6V
Short circuit current	4.68A	4.78A	4.88A
Current at max power	4.29A	4.39A	4.5A
Weight of module		15Kg	
Packaging		2 modules per carton	
Module construction		Glass/tedlar	
Warranty		20 years to 80% yield	

ExSolar 1800 Series

Module Type	Ex-Sol175W	Ex-Sol180W	Ex-Sol185W
Number of cells		72	
Cell format		12 columns x 6 cells	
Aluminium profile		38mm black epoxy coated	
Size of module		1584 x 807 x 38mm	
Maximum power	175W	180W	185W
Power tolerance		+/- 5%	
Open circuit voltage	44.6V	44.8V	45.1V
Voltage at max power	36.0V	36.2V	36.5V
Short circuit current	5.24A	5.34A	5.44A
Current at max power	4.87A	4.97A	5.07A
Weight of module		15Kg	
Packaging		2 modules per carton	
Module construction		Glass/tedlar	
Warranty		20 years to 80% yield	

ExSolar 2000 Series

Module Type	Ex-Sol195W	Ex-Sol200W	Ex-Sol205W
Number of cells		54	
Cell format		6 columns x 9 cells	
Aluminium profile		38mm black epoxy coated	
Size of module		1486 x 991 x 38mm	
Maximum power	195W	200W	205W
Power tolerance		+/- 5%	
Open circuit voltage	43.2V	43.4V	43.6V
Voltage at max power	34.1V	34.3V	34.6V
Short circuit current	6.22A	6.32A	6.42A
Current at max power	5.73A	5.83A	5.93A
Weight of module		20Kg	
Packaging		2 modules per carton	
Module construction		Glass/tehdar	
Warranty		20 years to 80% yield	

ExSolar 2800 Series

Module Type	Ex-Sol245W	Ex-Sol250W	Ex-Sol255W
Number of cells		72	
Cell format		6 columns x 12 cells	
Aluminium profile		38mm black epoxy coated	
Size of module		1960 x 991 x 38mm	
Maximum power	245W	250W	255W
Power tolerance		+/- 5%	
Open circuit voltage	43.5V	43.7V	43.9V
Voltage at max power	34.3V	34.5V	34.7V
Short circuit current	7.76A	7.86A	7.96A
Current at max power	7.15A	7.25A	7.35A
Weight of module		22Kg	
Packaging		2 modules per carton	
Module construction		Glass/tehdar	
Warranty		20 years to 80% yield	

ExSolar 2800 Series

Module Type	Ex-Sol275W	Ex-Sol280W	Ex-Sol285W
Number of cells		72	
Cell format		6 columns of 12 cells	
Aluminium profile		38mm black epoxy coated	
Size of module		1960 x 991 x 38mm	
Maximum power	275W	280W	285W
Power tolerance		+/- 5%	
Open circuit voltage	44.7V	44.85V	45.05V
Voltage at max power	35.5V	35.65V	35.85V
Short circuit current	8.36A	8.46A	8.56A
Current at max power	7.75A	7.85A	7.95A
Weight of module		20Kg	
Packaging		2 modules per carton	
Module construction		Glass/tecllar	
Warranty		20 years to 80% yield	